

## Abstract of the Disclosure

A method for determining a process to use for converting instructions in a target instruction set to instructions in a host instructions set including the steps of executing code morphing software including an interpreter and a translator to generate host instructions from target instructions, detecting at intervals whether the interpreter or the translator is executing, increasing a count if the interpreter is executing and decreasing the count if the translator is executing, and changing from interpreting to translating a sequence of target instructions when the count reaches a selected maximum.